

Begin-11: Nolga teng bo'lmagan ikkita son berilgan. Ularning yig'indisini, ko'paytmasini va har birining moduli aniqlansin.

Flow Algoritmدا Blok-Sxema	Flow Algoritmدا Dastur kodi												
<pre> graph TD Main([Main]) --> Real[Real a, b, x, y] Real --> InputA[/Input a/] InputA --> InputB[/Input b/] InputB --> Sum[x = a+b] Sum --> Product[y = a*b] Product --> AbsX[x = abs(x)] AbsX --> AbsY[y = abs(y)] AbsY --> End([End]) </pre>	Variable Watch <table border="1"> <thead> <tr> <th>Variable</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Main</td> <td></td> </tr> <tr> <td>a</td> <td>3</td> </tr> <tr> <td>b</td> <td>4</td> </tr> <tr> <td>x</td> <td>7</td> </tr> <tr> <td>y</td> <td>12</td> </tr> </tbody> </table>	Variable	Value	Main		a	3	b	4	x	7	y	12
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b	4												
x	7												
y	12												

Yechilishi	Natija
<pre> a = float(input("a ni kiriting: ")) b = float(input("b ni kiriting: ")) print("Yig'indisi =", a + b) print("Ko'paytmasi =", a * b) print("a ning moduli =", abs(a)) print("b ning moduli =", abs(b)) </pre>	<pre> In [1]: %runfile 'C:/Users/AT 17-14/Documents/ a ni kiriting: 3 b ni kiriting: 4 Yig'indisi = 7.0 Ko'paytmasi = 12.0 a ning moduli = 3.0 b ning moduli = 4.0 </pre>

Begin-12: To'g'ri uchburchakning katetlari a va b berilgan. Uning gipotenuzasi c va perimetri P aniqlansin.

Flow Algoritm dasturida:

Flow Algoritm Blok-Sxema	Flow Algoritm Dastur kodi	Flow Algoritm Dastur natijasi
<pre> graph TD Main([Main]) --> Real[Real a, b, c, x, y, S, P] Real --> InputA[/Input a/] InputA --> InputB[/Input b/] InputB --> C["c = sqrt(a^2 + b^2)"] C --> P["P = 2*(a+b)"] P --> Output[/Output "uchburchakning gipotenuzasi C=" & c & " Perimetri P=" & P/] Output --> End([End]) </pre>	<pre> a = float(input()) b = float(input()) c = sqrt(a**2 + b**2) p = 2 * a + b print("uchburchakning gipotenuzasi C=" + str(c) + " Perimetri P=" + str(p)) </pre>	<pre> 3 4 uchburchakning gipotenuzasi C=5 Perimetri P=14 </pre>

Python dasturida:

Yechilishi	Natija
<pre> import math a = float(input("Katet a: ")) b = float(input("Katet b: ")) c = math.sqrt(a**2 + b**2) P = a + b + c print("Gipotenuza =", c) print("Perimetri =", P) </pre>	<pre> In [2]: %runfile 'C:/Users/AT 17-14/Documents/ Katet a: 3 Katet b: 4 Gipotenuza = 5.0 Perimetri = 12.0 </pre>

Begin-13: Umumiy markazga bo'lgan ikkita aylana radiusi berilgan. Ularnig yuzalari va ularning ayirmasi aniqlansin.

Flowgoritmda:

Blok-sxema	Natija																					
<pre>graph TD; Main([Main]) --> Decl[Real p, R1, R2, S1, S2, S3]; Decl --> Assign[p = 3.14]; Assign --> InputR1[/Input R1/]; InputR1 --> InputR2[/Input R2/]; InputR2 --> CalcS1[S1 = p*R1]; CalcS1 --> CalcS2[S2 = p*R2]; CalcS2 --> CalcS3[S3 = p*(R1-R2)]; CalcS3 --> End([End]);</pre>	<table><tr><th colspan="3">Main</th></tr><tr><td><table><tr><th>p</th></tr><tr><td>3.14</td></tr></table></td><td><table><tr><th>R1</th></tr><tr><td>9</td></tr></table></td><td><table><tr><th>R2</th></tr><tr><td>6</td></tr></table></td></tr><tr><td><table><tr><th>S1</th></tr><tr><td>28.26</td></tr></table></td><td><table><tr><th>S2</th></tr><tr><td>18.84</td></tr></table></td><td><table><tr><th>S3</th></tr><tr><td>9.42</td></tr></table></td></tr></table>	Main			<table><tr><th>p</th></tr><tr><td>3.14</td></tr></table>	p	3.14	<table><tr><th>R1</th></tr><tr><td>9</td></tr></table>	R1	9	<table><tr><th>R2</th></tr><tr><td>6</td></tr></table>	R2	6	<table><tr><th>S1</th></tr><tr><td>28.26</td></tr></table>	S1	28.26	<table><tr><th>S2</th></tr><tr><td>18.84</td></tr></table>	S2	18.84	<table><tr><th>S3</th></tr><tr><td>9.42</td></tr></table>	S3	9.42
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Python:

Yechilishi	Natija
<pre> import math R1 = float(input("Katta radius R1: ")) R2 = float(input("Kichik radius R2: ")) S1 = math.pi * R1**2 S2 = math.pi * R2**2 S3 = S1 - S2 print("S1 =", S1) print("S2 =", S2) print("S1 - S2 =", S3) </pre>	<pre> In [4]: %runfile 'C:/Users/AT 17-14/ Katta radius R1: 10 Kichik radius R2: 12 S1 = 314.1592653589793 S2 = 452.3893421169302 S1 - S2 = -138.23007675795088 </pre>

Begin-14: Aylananing uzunligi L berilgan. Uning radiusi R va yuzasi S aniqlansin.

Flowgoritmda:

Blok-sxema	Natija
Main Real L, R, S, p Input L p = 3.14 R = L/2*p S = p*R*R End	Main L 8 R 12.56 S 495.346304 p 3.14

Python:

Yechilishi	Natija
<pre>import math L = float(input("Aylana uzunligi L: ")) R = L / (2 * math.pi) S = math.pi * R**2 print("Radius =", R) print("Yuza =", S)</pre>	In [5]: %runfile 'C:/Users/AT 17-14/D... Aylana uzunligi L: 10 Radius = 1.5915494309189535 Yuza = 7.9577471545947684

Begin-15: Aylananing yuzasi S berilgan. Uning diametri d va radiusi R aniqlansin.

Flowgoritmda:

Blok-sxema	Natija
<pre> graph TD Main([Main]) --> Decl[Real S, p, d, R] Decl --> Input[/Input S/] Input --> P[p = 3.14] P --> Rcalc["R = sqrt(S/p)"] Rcalc --> Dcalc["d = 2*R"] Dcalc --> End([End]) </pre>	<pre> Main ----- S p d 6 3.14 2.76465406550456 R 1.38232703275228 </pre>

Python:

Yechilishi	Natija
<pre> import math S = float(input("Aylana yuzi S: ")) R = math.sqrt(S / math.pi) d = 2 * R print("Radius =", R) print("Diametr =", d) </pre>	<pre> 1028 - 1.9894507880480521 In [5]: %runfile C:/Users/Habibullo/.sp Aylana yuzi S: 50 Radius = 3.989422804014327 Diametr = 7.978845608028654 In [6]: </pre>